

TECHNICAL WORK MAY NOT BEGIN PRIOR TO CO APPROVAL

NASA/GODDARD SPACE FLIGHT CENTER

REQUEST FOR TASK PLAN / TASK ORDER

CONTRACTOR	CONTRACT NO./TASK NO.	JOB ORDER NUMBER	APPROP. FY
QSS Group, Inc.	NAS5- TASK NO. AMENDMENT 99124 430	551-458-50-50-89	01

TASK TITLE: (NTE 80 characters; include Project name)

WFC3 Optical Stimulus Development

APPROVALS: (Type or print name and sign)

ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR)

William Eichhorn <i>W3 W</i>	DATE 11/30/00	ORG CODE 551	MAIL CODE 551	PHONE 301-286-8131
------------------------------	------------------	-----------------	------------------	-----------------------

BRANCH HEAD Peter Maymon <i>P Maymon</i>	DATE 12/5/00	CODE 551	PHONE 301-286-8937
---	-----------------	-------------	-----------------------

CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR) Robert S. Lehair, Jr. <i>Robert S. Lehair, Jr.</i>	DATE 12/7/00	CODE 560	PHONE 301-286-6588
---	-----------------	-------------	-----------------------

FLIGHT HARDWARE, CRITICAL GSE OR SOFTWARE?

(IF YES, NEED CODE 303 CONCURRENCE NEXT BLOCK) "

CONTRACTING OFFICER'S QUALITY REP.

DESIGNATED FAM:

[X] NO [] YES

The contractor shall identify and explain the reason for any deviations, exceptions, or conditional assumptions taken with respect to this Task Order or to any of the technical requirements of the Task Order Statement of Work and related specifications. The contractor shall complete and submit the required Reps and Certs.

(To be completed by Contracting Officer)

C.O. Requested Quote on:

Date:

Contractor will develop specification or statement of work under this task for a future procurement. [X] No [] YES

Flight hardware will be shipped to GSFC for testing prior to final delivery. [] No [] YES [X] N/A

Government Furnished Property/Facilities: [] No [X] YES - SEE LIST OF GFP (offsite only) / FACILITIES (onsite only)

Onsite Performance: [] NO [X] YES If yes: [] TOTAL [X] Partial
If partial, indicate onsite work in SOW by asterisk (*)

Surveillance Plan Attached: [X] No [] YES

Highlighted Contract Clauses: (to be completed by Contracting Officer)

Per Clause H.14, Task Ordering Procedure, subparagraph (f); the effective date of this task order shall be 12/18/00.

INCENTIVE FEE STRUCTURE

(check one)

(See Contract NAS5-99124, Attachment K, Incentive Fee Plan)

	X No. 1	No. 2	No. 3	No. 4	No. 5
Cost	10%	50%	25%	25%	%
Schedule	15%	25%	25%	50%	%
Technical	75%	25%	50%	25%	%

(To be completed by Contracting Officer)

The target cost of this task order is \$ 948,805.

The target fee of this task order is \$ 60,768.

The total target cost and target fee of this task order as contemplated by the Incentive Fee clause of this contract is \$ 1,009,573.

The maximum fee is \$ 88,815.

The minimum fee is \$0.

AUTHORIZED SIGNATURE:

THIS TASK ASSIGNMENT IS ISSUED ACCORDING TO THE CONTRACT CLAUSE "TASK ASSIGNMENTS AND REPORTS"

Theresa J. Becker

SIGNATURE OF CONTRACTING OFFICER

1/11/01

DATE

Theresa J. Becker

TYPED NAME OF CONTRACTING OFFICER

CONTRACTOR'S ACCEPTANCE:

AUTHORIZED SIGNATURE

DATE

TECHNICAL WORK MAY NOT BEGIN PRIOR TO CO APPROVAL

NASA/GODDARD SPACE FLIGHT CENTER

REQUEST FOR TASK PLAN / TASK ORDER

CONTRACTOR	CONTRACT NO./TASK NO.	TASK NO.	AMENDMENT
QSS Group, Inc.	NAS5- 99124	430	

Applicable paragraphs from contract Statement of Work: Function 2D, 2E

BACKGROUND:

The Wide Field Camera 3 (WFC3) is a third generation Hubble Space Telescope (HST) instrument planned to be installed on Servicing Mission 4 in July 2003. The WFC3 requires an Optical Stimulus to simulate the light input seen in the Hubble Aft Shroud as well as calibrate and verify the camera's operating ranges. In an effort to minimize costs to the project, the optical stimulus used to test the currently operating Wide Field/Planetary Camera-II will be upgraded for use with WFC3. This work is currently being supported under the EDISS contract, number NAS5-32539.

STATEMENT OF WORK:

The contractor shall provide scientific and engineering services for the redesign and refurbishment of the HST Wide Field/Planetary Camera-II Stimulus to be converted for use as the HST Wide Field Camera-3 Optical Stimulus. This shall include:

- * 1. Attending WFC3 project meetings and related meetings as appropriate;
- 2. Performing systems engineering, requirements analysis/flowdown, and identifying cost savings ideas;
- 3. Identification of resource requirements, schedules and budgets;
- 4. Optical, mechanical, and electrical design, development and modeling;
- * 5. Hardware fabrication, procurement, assembly and testing;
- * 6. Supporting Stimulus operations, maintenance, and troubleshooting.

PERFORMANCE SPECIFICATIONS:

The Optical Stimulus is to be built per the WFC3 OS Contractor End Item Specification. Prior to delivery, technical performance will be based on thoroughness and completeness of written reports and presentations. Acceptable performance is indicated by the satisfaction of the ATR that the material reflects the proper level of technical expertise and meets the objectives of the activity.

Management performance will be measured against the following metrics: (1) accomplishment of objectives; (2) clear, incremental progress; (3) responsiveness to issues; (4) efficient and appropriate staffing; and (5) coordination with and good working relationship with ATR and other related contractor efforts, if applicable.

Technical Progress Report: Acceptable performance is that the ATR is satisfied that he is being kept informed of the status of work performed and of issues requiring his attention. Report to include: (1) summary of monthly progress; (2) plans for next month; (3) problems; (4) issues; and (5) resolution of problems/issues.

APPLICABLE DOCUMENTS:

None.

TASK END DATE: 9/30/01**MILESTONES/DELIVERABLES AND DATES:**

- | | |
|---|---|
| 1. Stimulus Critical Design Review | Within 45 days of the WFC3 CDR
(which is scheduled for 12/19/00) |
| 2. Completion of a Stable Wavefront
Measurement Test on the old Stimulus | Results reported at CDR |
| 3. Test and Analysis Reports | 60 days after completion of test or analysis |
| 4. Begin System Level Assembly of the Stimulus | 7 months after Stimulus CDR |
| 5. Technical Progress Report | Monthly, 15th of each month |

PERFORMANCE STANDARDS:

Schedule: On-time delivery/completion of the above deliverables/milestones
Technical: ATR's acceptance of the above

FINAL DELIVERY DESTINATION (NAME, BLDG, ROOM):

W. Eichhorn, building 7, room 107